

# LAWN IRRIGATION

## RESIDENTIAL

BUILDING INSPECTIONS DEPARTMENT

[www.ci.blaine.mn.us](http://www.ci.blaine.mn.us)



### PERMIT INFORMATION

A permit and inspection are required for installing the plumbing from the interior water line connection to the backflow preventer. A permit is also required to attach lawn irrigation to an existing well that also supplies other plumbing fixtures within the house. The permit fee is \$60 plus a \$1 state Surcharge. The homeowner or a licensed plumber can apply for the permit and do the work. NOTE: No permit is required for lawn irrigation if it is attached to a private well that is only connected to the irrigation system.

Only approved materials are permitted on the supply side (house side) of the backflow preventer. The typical supply line for water distribution piping material is 1" seamless hard tempered copper tubing, type L.

A Pressure Vacuum Breaker (PVB) valve or a reduced pressure zone backflow preventer (RPZ) with a shut-off valve on both sides shall be installed to prevent contamination of the potable water supply. Each type of backflow preventer noted has specific installation requirements for location and use.

NOTE: PVB must be installed at least 12 inches above highest sprinkler or discharge outlet.

### TESTING REQUIRED

Backflow prevention devices are required to be tested by a certified tester when installed. It is the responsibility of the premise owner to have the backflow prevention device tested annually thereafter. A complete City of Blaine Backflow Prevention Assembly Annual Test Report shall be submitted to the City of Blaine, Building Inspections Department, within 30 days of testing.

### RAIN SENSORS ARE REQUIRED

Minnesota State Statute 103G.298 requires that all automatically operated landscape irrigation systems shall have furnished and installed technology that inhibits or interrupts operation of the landscape irrigation system during periods of significant moisture. The technology must be adjustable either by the end user or the professional practitioner of landscape irrigation services.

### INSPECTIONS

Inspection of the interior piping, backflow preventer. The lawn irrigation system downstream of the backflow preventer is not inspected, but must be located within property boundaries.

### SHALLOW WELL

A lawn irrigation system can be supplied by a shallow well. The retail store selling shallow point well equipment shall, by state law, provide well registration forms to be completed by the well installer and sent to the State of Minnesota, Well Division. A lawn irrigation system can be supplied by a shallow well. The retail store selling shallow point well equipment shall, by state law, provide well registration forms to be completed by the well installer and sent to the State of Minnesota, Well Division.